

149 North 9<sup>th</sup>  
An Inaugural Dissertation  
on the  
Hæmorrhoidal Disease,  
for the  
Degree of Doctor of Medicine  
at the  
University of Pennsylvania,  
by  
Robert Rodgers  
of  
Pennsylvania.  
January 9th 1828

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Sept 2nd  
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Chapman & Co  
New York

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A brief outline of the character,  
causes, & Treatment of the  
Hæmorrhoidal disease.

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(Pl.)

## Hæmorrhoidal Disease.

The hæmorrhoidal disease "consists, in a morbid state of the vessels of the rectum, and anus; attended generally with tumours, with or without a flow of blood; but occasionally, with a flow of blood without tumours.

Although this definition does not include all the phenomena of the disease; yet in my opinion, its most prominent characteristics are therein more briefly exhibited, than in any other which I have seen. —

This disease is of very frequent occurrence, and may be met with in every climate. It is more frequently found in females than males, especially in those who have borne children; owing, probably, to there being less tone in the vessels of these parts, and to the suppression of the menstrual fluid to which they are subject. Those of sedentary and indolent habits, are also peculiarly liable to its attacks.

It appears frequently, especially in the commencement of the disease, to be merely a topical affection, unconnected with any constitutional disturbance; in these cases, there are no symptoms precursory to the appearance of the tumours, and discharge of blood, which give intimation of the impen-



ding attack; but in general, some premonitory signs may be observed, such as slight fever, nausea, vomiting, vertigo, stupor, pains in the back, and loins, a peculiar sensation of weight or tension, about the anus, which sometimes extends to the perineum. These symptoms sometimes continue several days, when a discharge of blood takes place, and the tumours make their appearance, which in general speedily puts an end to the preceding symptoms; but sometimes the attacks are frequently repeated before they make their appearance. As the discharge of blood, and the tumours form, by far, the most prominent characteristics of the disease, it will perhaps be necessary for me to attend to them more particularly; and first of the discharge.

Considerable difference of opinion exists, in the minds of Physicians, respecting the true source of this discharge; some contending that it has an arterial, others, a venous origin. Numerous arguments are adduced by each party in favour of its respective opinions to examine all of which would be a useless waste of time, and as I do not consider it a matter of much practical importance, I shall pass by without noticing them. I believe however, a majority are at present in favour of its being a venous discharge. The quantity discharged

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considerably. In the primary attacks it is generally very trifling, and shows itself particularly during the passage of faeces, in the form of streaks on the external surface of the excrement; in these cases it would seem to proceed from the capillary vessels of the mucous coat of the rectum, and frequently without any solution of continuity in the part; it generally increases with each successive attack, and the quantity sometimes voided is truly alarming, inasmuch that instances are related of persons dying, from the discharge alone. In these cases there is generally considerable inflammation, and the vessels of the part are in a state of proternatural excitement. If, after the phlogosis subsides, the hemorrhage does not cease, or prove immediately fatal, debility necessarily ensues, which vitiates in a general arrangement of the constitutional health. This discharge is, in some few instances, periodical, though it seldom observes with regularity the laws of periodicity, when however, this does take place, it is generally owing to the hemorrhoidal vessels having assumed a vicarious action, in consequence of an obstruction or suppression of the menstrual or some other periodical discharge.

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doubts are also entertained respecting the value or effect of this discharge, and its effects upon the system. some considering it as salutary, others for its injurious tendencies; but a consideration of these opinions will come more appropriately under the head of the treatment. Having now briefly examined the most important things to be noticed concerning the discharge, we shall next pass to the consideration of its accompanying phenomenon, the tumours. These two accessory phenomena of the hemorrhoidal disease are generally, though not uniformly concomitant symptoms; for, we sometimes observe the appearance of tumours independent of any discharge of blood, and vice versa. These tumours form by far the most prominent features of the disease.

The precise manner in which these tumours are formed, is still a matter of controversy; whether they are the result of a rupture of some of the hemorrhoidal vessels, and consequent effusion into the cellular membrane surrounding the anus; or merely a varicose distension of the hemorrhoidal veins, is as yet, undetermined. Both opinions would, in certain cases, appear to me to be correct; that the latter opinion is sometimes true, I would infer



from the following circumstances. The veins of the  
 head & neck, in which the sensation is increased, the  
 movement more violent, & the veins are  
 dark bluish, larger, more tortuous, & more  
 of the body; their veins still are visible to the touch; and  
 from their size, they are diminished by pressure, but  
 speedily returning to their former dimensions on the removal  
 of the pressure; and when from abstraction or any other  
 untoward circumstance the coats of the veins become ruptured,  
 the hemorrhage is much more profuse, than it could  
 be were it the result of laceration. But on the next day  
 or sometimes even the next afternoon, continued pain  
 is not felt, and the swelling, leaving the skin in a loose,  
 flabby condition; having a brownish or pale red colour; which  
 is pretty solid, spongy, firm, and warm, and into this the  
 touch appears tolerably compact, from which blood exudes  
 when the texture grows much more relaxed. These swellings  
 are, however, painful, & from this it is reasonable to believe  
 we are the result of inflammation. The number of these  
 tumours varies greatly, sometimes there appears only a few  
 and none around the anus, at other times, many distinct



*[Faint handwritten notes or bleed-through from another page]*

and present various degrees of tenderness; the pain is more or less  
 painful according as the inflammation is to the sphincter  
 and muscles, and are compressed by it. The pain is sometimes so  
 severe, that the patient can neither walk, ride, nor sit with  
 any tolerable degree of ease, and the only situation which now  
 under such circumstances, afford him any relief from his suf-  
 ferings, being the horizontal, with his limbs widely separated.

The natural warmth of these parts has a tendency to keep up  
 local heat; the sensations of union, and tension are considerable  
 increased by the obstruction which is inserted to a free  
 passage of blood through the hæmorrhoidal veins. The irri-  
 tation produced by the combined influence of these causes pro-  
 duces spasmodic contractions of the sphincter and  
 muscles, which give rise to most excruciating pain. These  
 contractions are sometimes so violent as to produce strangulation

of the tumours, from which mortification and sloughing result,  
 and in this manner a radical cure is occasionally effected.  
 In some cases where there exists high inflammation, adhesion  
 takes place from the extravasation of coagulable lymph, which  
 becoming organized, forms caruncular excrescences, of various  
 shapes and sizes, from an soft and spongy, white, and has

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being a selfish & cur. As a luminaire itself in Nature,  
then, sometimes occur serous tumours around the anus, some-  
times more in appearance, the same as hemorrhoidal tumours,  
but, some, however, comes in be distinguished, from the first, as  
their being more transparent, very elastic and compressible, and  
usually, in many instances, one a few hours, or less, or other.  
In one month not with in persons of a large internal  
width.

Next, of the causes.

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vascular action is some 1000 parts, which exists materially in  
 emptying or lessening circulation in almost every other part of  
 the body, and thus the system, which is resorted to a free passage  
 of blood through these vessels, the greater the facility.

The first of use of certain medicinal agents, such as aconite,  
 opium, &c., is to the large clusters and so, as to be so, as  
 over the effect of producing this disease, then no more operate.  
 rather by producing an irritation in the lower part of the  
 tubular system, and the effect is to draw an influx of blood to the  
 part, producing congestion, and thus is the same kind of  
 action, with its accompanying symptoms. The same in patients,  
 strong mental actions of a more and nature, anger, fear &c.  
 are said also to produce this affection. These causes are said  
 by Huxham, a distinguished writer on this subject, to operate  
 by producing an unequal impression on the various parts of  
 the system, and in consequence of this, an unequal  
 action with the blood, which is the result of this, being  
 such, "it must first at the circulation be a sense of uneasiness to  
 lead out some obstruction to the circulation, and thus it is  
 digestion, blood secretion, gastric irritation &c. the effect of  
 the stomach is to be so, as to be the balance of the system."



ulation and give origin to internal hemorrhages of blood.

The retaceous vessel becomes almost assaenous, and it is under such circumstances that we see rupture of the parietal<sup>th</sup> wall. fatal congestions in some of the other viscera. Here an effusion of the haemorrhoidal flux often warns of the impending danger.

Concerning the diagnosis, and prognosis of this disease nothing needs to be said. (As an attentive observer, there is no disease with which it can be easily confounded). And very seldom is it immediately fatal; although it may be consecutively so in individual diseases much more pernicious to the constitution.

Having now briefly considered the general character of the disease, and the causes by which it may be produced we shall next, pass to the more important part of our subject, the

## Treatment.

Now here in the very subject, we are met in the important question, is it proper for us to interfere, or not, in order to check this disease? It was contended on some of the ancients, particularly this celebrated Stahl and his followers, and indeed by some writers of more modern date, that this can not be consistent with the health of the system; but this

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hemorrhage is now pretty generally exploded, and considered incorrect, except in certain cases where it appears as a vicarious discharge, or is dependent on some constitutional affection; in these instances, our attention must first be directed to the cause, and if it be owing to the suppression of some other discharge, we must endeavor to restore this, and thus we may with all safety cure the hemorrhoidal disease.

Except in the particular cases above mentioned, it would be the height of impropriety to permit so troublesome a complaint to continue its ravages upon the system, until it has impaired the constitutional health, and incurred diseases more destructive than itself.

The first object which claims our attention in the treatment of the hemorrhoidal disease, is the hemorrhage.

The means by which this is to be suppressed, may be either general or local. When the hemorrhage is considerable, the patient should be laid in a cool room, kept in a recumbent posture, with his hips elevated, and cold acidulated drinks freely administered. With a view to produce a determination of blood to some other quarter, as well as diminish the pathological diathesis of the system,

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If there be any presents, we may resort to venesection; but unless the hemorrhage be profuse, and the system plethoric, it will not be necessary; with the same view cupping glasses may be applied to some remote part of the body. Styptic, and astringent injections, such as decoction of oak, or persimmon bark, should be freely administered. As a local application, the pulp of the persimmon will be found very serviceable. Should these means fail, however, in checking the hemorrhage, we must next resort to compression; this may be effected by means of a丁香 tree in bandage within the rectum. As a last resource, the actual cautery has, by some, been recommended but this can scarcely ever be necessary, as we can generally succeed by the simplest measures.

The next object requires attention is the limbs.

If time be attended to in the management, the first thing to be enjoined is, absolute rest in a horizontal position, with the limbs in perfect extension, and the hips elevated. If there be any suppurative fever, it will perhaps be necessary to draw a little blood from the general system by venesection. The swelling of the feet, may be removed by the application of the



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in taking away a few ounces of blood from the  
 is the road to the cure in many of cases, or fevers.  
 especially in the former.

The best and reliable state of the humors is an object  
 which we should generally endeavour to obtain in the  
 treatment of this singular affluence, but in the common  
 case of the disease, and the inflammation is high, it is  
 sometimes necessary to relax the exhibition of  
 stimulants on a short time, as the passages of a strong  
 natural humor is not in hardened faces, and in  
 rise to most violent pain; but as soon as a tolerable  
 degree of union & quiescence should be used, such as  
 emollients, *remotus tactus* and *suppuratio*. The scarification  
 which I have alluded to, may be repeated by means  
 of dry pointment, and fresh and continued pressure  
 on the tumid parts. Gradual copiousness, or effusion of  
 Tergent, may be given in doses of twenty, thirty, or  
 into drops the same for ten. These will certainly have  
 the effect of relaxing irritation, and pain, as well as re-  
 versing the humors. However, indeed are the local applica-  
 tions, which have been recommended for these painful

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smellings, to approximate all of which, in mind, with the  
negation, I shall therefore only mention some of those which  
would appear to be most important. —

Cataplasm, or, poultice of bread and milk, or rye meal, moistened with rose water, and sandal wood, for venereal affections, and proved serviceable in reducing the inflammation. An ointment composed of hydrocort, ammonia, camphor, nitrate, and sandalwood, is recommended by Proffor, Chapman, &c, as a restorative, particularly in venereal diseases in the instance of a cure.

While applications are also being recognized in other states, least among the great, and for a long time, in different nations. Encouraging, or supporting the planting with a little more, and a structure was also taken, in allowing cultivation.

Drinking of cold water was also seen to be a general practice.

Having by the means above detailed, succeeded in  
surrounding the infrapolar condition of this tumour, we  
may next resort to more stimulation, now when

As an internal remedy, tera's paste in case of the  
size of a nutmeg, several times p. xxi. is very important.  
bebebe, under which he gave to direct a more suitable.

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instance, in this stage of the disease.

Of the local remedies in this stage of the disorder, the unguentum gallicum, generally ranks highest. In the practice of my associates, however, is a mixture composed of equal parts of unguentum gallicum, and unguentum hydragyri it is so used more effectually, than any other application. It may also be employed at an earlier stage of the disease, than the unguentum gallicum alone. The ointment, and the matter may also have frequent applications in the ulcers, state of hemorrhoidal tumours.

Compresses also may there be very advantageously employed; which if the tumours be external, may be effected by compresses, and a T bandage; but if internal, by a warm, and, or, rise of hard labour. The tumours should in all cases, if practicable be returned within the rectum, and, may be done by pointing the finger with oil, and gentle pressure.

Though <sup>or</sup> horse exercise when expiring, is a frequent cause of this disease, yet when moderately used, it proves a very important remedial agent; but this is altogether

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inadmissible, except in the atonic stage.

Notwithstanding all our efforts, it frequently happens that we cannot, by our remedies, effect a permanent cure, all we can do being merely to palliate the more violent symptoms as they occur, and thus afford a temporary relief. — The physician, therefore, having exhausted all his resources in vain, the case must then devolve into the hands of the surgeons, from whom alone, in such cases, are we to expect a radical cure. This is to be effected by entirely removing the whole, or at least a considerable part of the tumour. For effecting this purpose two methods are in common use, the knife and ligature. The latter is, at present, much preferred, at least in this country.

To the ingenuity, and skill of Professor Phipps are we indebted for the discovery of the most convenient method of using the ligature. A description of this instrument, and the manner of applying it, in this place, altogether unnecessary, as it is practically described in most of our modern works on surgery. — It is proper to apply it to but one tumour

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at a time, selecting the most prominent and painful; after it drops off, the part should be bathed with some soothing lotion, or a cold practice applied, to promote the healing of the ulcer. Then the instrument may be again and again applied, until a sufficient quantity be removed. The method of using the ligature proposed by Doct. Rousseau of Philadelphia, would appear, in certain cases, to answer very well; as where there are no prominent and distinct tumours; but merely a tumefaction around the anus; and where caruncular excrescences have formed; for, in these cases, it is difficult to apply a single ligature. The actual cautery, and caustics were at one time much used for the purpose of removing hemorrhoidal tumours, but they are now, I think, very justly abandoned.

(Finis)

